

TORCH

SMALL DIAPHRAGM TUBE MICROPHONES ST-221

Unique, Responsive, Versatile, Accessorized



Original sound

The Torch is the most unique and versatile pair of small diaphragm microphones you will find. It has a surprisingly big low-end and fast transient response, producing original sound when recording instruments. Featuring 21 accessories, these microphones can meet every challenge in the modern day studio.

Opening new doors with a fat bottom-end

Think small diaphragm mics have a weak low-end? Then you haven't heard these! In our sound design, we have retained the fast transient response that gives the small diaphragm microphone its characteristic natural sound, while adding a full low-end more often associated with a large diaphragm condenser. With this combination, you can open new doors to small diaphragm mic sound.

Versatility in sound and accessories

The Torch was designed to help you achieve a broad palette of sound. The high SPL handling and generous dynamic range allows you to record loud sources such as kick drums and guitar amps with no distortion. You can also experiment with room character or tight focused sounds with the interchangeable omnidirectional and cardioid capsules. Finally, our custom windscreens reduce adverse effects and protect the capsules when used on highly plosive sources.

A mount for every placement challenge

The Torch comes with every mounting option you need. The custom made shock mounts reduce excessive vibrations in any environment. The hard mounts are perfect for tight spaces and close micing. The custom designed mounting bar makes it easy to position the mics for stereo recording. With these mounts you can resolve every placement challenge you face.

Premium components for exceptional performance

Internally each Torch features custom tuned 15.25mm diaphragm cardioid and omni capsules, which produce a unique conversion of sound waves. The subminiature military grade vacuum tube generates a fantastic tone and adds a unique character in your recordings. Finally, the custom-wound output transformer and premium electronics come together to give you exceptional performance and original sound.

Features

- Interchangeable omnidirectional and cardioid capsules
- NOS military/scientific grade miniature pentode vacuum tube
- Robust vintage style body
- Low self-noise
- Custom wound output transformer
- High dynamic range
- All the accessories you need

Accessories

- Omni & Cardioid Capsules
- Sustainably farmed wood mic box
- Custom foam windscreens
- Hard mounts
- Shock mounts
- Custom stereo mounting bar
- Gotham 7-pin tube mic cables
- Power supplies
- Deluxe flight case

Specifications

- Circuit - Vacuum tube
- Type - Pressure gradient condenser
- Polar Pattern - Cardioid & Omnidirectional
- Freq. Response - 30Hz-20KHz
- Dynamic Range - 117dB minimum
- Impedance - < 200 ohms

- Max. SPL - 0.5%THD@1000Hz: 132dB
- Self-noise level - < 15dB(A)
- Sensitivity - 14mV/Pa OR -38±2dB 0dB=1V/Pa 1000Hz
- Special Features - Interchangeable capsules
- Connectors - 7-pin XLR & 3-pin standard XLR
- Power Requirement - Custom power supply 100 to 230v